

12/19/00

12-20-00

PTO/SB/05 (11-00)

10/31/2002. OMB 0651-0032

Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

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UTILITY
PATENT APPLICATION
TRANSMITTAL

Attorney Docket No. 99-2171/2/CIP

First Inventor STEPHEN J. FONASH

Title DEPOSITED THIN FILMS AND THEIR USE IN DETECTION, ATTACHMENT, AND BIO-MEDICAL APPLICATIONS

Express Mail Label No. EL659767301US

(Only for new nonprovisional application under 37 C.F.R. § 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington DC 20231

1. ☒ * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. ☒ Applicant claims small entity status.
See 37 CFR 1.27

3. ☒ Specification [Total Pages 59]
(preferred arrangement set forth below)

- Descriptive title of the Invention

- Cross References to Related Applications

- Statement Regarding Fed sponsored R & D

- Reference to sequence listing, a table,
or a computer program listing
appendix

- Background of the Invention

- Brief Summary of the Invention

- Brief Description of the Drawings (if filed)

- Detailed Description

- Claim(s)

- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 25]

5. Oath or Declaration unexecuted [Total Sheets 2]

a. ☐ Newly executed (original copy)

b. ☐ Copy from a prior application (37 C.F.R. §1.63(d))
(for continuation/divisional with Box 18 completed)

i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, See 37 CFR 1.63(d)(2) and 1.33(b)

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence submission
(if applicable, all necessary)

a. ☐ Computer Readable Copy

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); or

ii. ☐ paper

c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))

10. ☐ 37 C.F.R. §3.73(b) Statement (when there is an assignee) ☐ Power of Attorney

11. ☐ English Translation Document (if applicable)

12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.

17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
Or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part of prior application No.:

Claims priority to 09/580,105 filed 05/30/00;
60/172,840 filed 12/20/99; 60/201,936 filed
05/05/00; 60/201,937 filed 05/05/00 and
60/231,474 filed 09/08/00

Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label (insert Customer No. or Attach Bar-code label here) or ☐ Correspondence address below

Name Thomas J. Monahan
Intellectual Property Office

Address The Pennsylvania State University
113 Technology Center

City University Park State PA Zip Code 16802-7000

Country United States Telephone (814) 865-6277 Fax (814) 865-3591

Name (Print / Type) Thomas J. Monahan Registration No. (Attorney/Agent) 29,835

Signature [Signature] Date: December 19, 2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231



12/19/00

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 PTO/SB/17 (2/98)
 Approved for use through 9/30/2000 OMB 0651-0032
 Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

Complete if Known

Application Number	
Filing Date	12/19/00
First Named Inventor	STEPHEN J. FONASH
Examiner Name	N/A
Group / Art Unit	N/A

TOTAL AMOUNT OF PAYMENT	(\$)	760.00
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Attorney Docket No.	99-2171/2/CIP
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METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:
- Deposit Account No. 16-1133
- Deposit Account Name
- ☐ Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17
- ☐ Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance

2. ☐ Payment Enclosed

☐ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	355.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	65 - 20** = 45	9	405.00
Independent Claims	3 - 3** = 0	0	0.00
Multiple Dependent		0	0.00

**or number previously paid, if greater; For Reissues, see below

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	165	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional application	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) _____

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Typed or Printed Name Thomas J. Monahan

Signature [Signature]

Complete (if applicable)

Reg. Number 29,835

Date 12/19/00

Deposit Account User ID

Practitioner's Docket No.: 99-2171/2/CIP

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **STEPHEN J. FONASH, et al.**

Serial No.:

Group No.:

Filed: **December 19, 2000**

Examiner:

For: **DEPOSITED THIN FILMS AND THEIR USE IN DETECTION, ATTACHMENT,
AND BIO-MEDICAL APPLICATIONS**

**Assistant Commissioner for Patents
Washington D.C. 20231**

EXPRESS MAIL CERTIFICATE

"Express Mail" label number: EL659767301US

Date of Deposit: December 19, 2000

I hereby state that the following *attached* paper or fee:

- 1 Fee Transmittal Form (in duplicate)
- 1 Utility Patent Application (claiming small entity)
- 1 unexecuted Declaration
- 59 pages of Specifications
- 25 sheets of Drawings
- 1 Return Receipt Postcard

Is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Charmayne Wagner

Typed or printed name of person mailing paper or fee

Charmayne Wagner

Signature of person mailing paper or fee

NOTE: *The label number need not be placed on each page. It should, however, be placed on the first page of each separate document, such as, a new application, amendment, assignment, and transmittal letter for a fee, along with the certificate of mailing by "Express Mail". Although the label number may be on checks, such a practice is not required. In order not to deface formal drawings, it is suggested that the label number be placed on the back of each formal drawing or the drawings be accompanied by a set of informal drawings on which the label is placed.*

(Express Mail Certificate [8-3])